

1 do. That's part of what helped CelPlan converge on the
2 right implementation much more rapidly, we believe, than
3 they might have done if there hadn't been somebody, as it
4 were, looking over their shoulder and helping them. We see
5 our function in this as, essentially, providing a quality
6 control role. And so, we were doing it in that spirit, and
7 just helping to bring it to a better resolution, or better
8 accuracy as quickly as possible.

9 MR. SCHWARTZ: All right ---

10 MR. WEIS: In fact, you might that software that
11 we were working with pre-Alpha. If you think of Alpha level
12 and Beta level software, you know, some of those were
13 pre-Alpha.

14 MR. SCHWARTZ: When would you say Beta level was
15 achieved, in terms of time?

16 Mr. WEIS: I'd call that probably the April time
17 frame.

18 MR. SCHWARTZ: And when would you say that -- I
19 guess, the software jargon for final stuff is "gold." When
20 would you say gold was achieved?

21 MR. WEIS: That's probably got to be June, when
22 you have the software that deals with the last revisions to
23 the methodology.

24 MR. SCHWARTZ: So the June 2 date for the gold

1 version?

2 MR. WEIS: I mean, putting it in your terms, I
3 guess that's what I'd have -- where I'd have to pin it.

4 MR. SCHWARTZ: Okay. Any audience questions?

5 OPERATOR: Yes. We have a question from Michael
6 Kelly of George Mason University.

7 MR. KELLY: Yes. Dr. WEIS, I'm interested in your
8 point about the software perfected enough not to have to
9 wait. But I'm also concerned about the presentation that
10 the man from Carl Jones Associates gave us, which was not so
11 much a question about the perfection level of the software,
12 but rather, the sheer time it takes to process the necessary
13 applications for the various clients. And I wanted to get
14 your thoughts on that in terms of a reason for perhaps
15 delaying the window.

16 MR. WEIS: Well, let me just say a couple of
17 things. We ran some pretty fast computers, and the times
18 that we're seeing are akin to the kinds of times that
19 Leonhard Korowajeeuk mentioned as to what it takes to run
20 the process. So it depends on how many clients you're
21 trying to serve, and how complex their designs are, how long
22 it will actually take. It also depends on how large a group
23 of people you have working on it, and whether or not all of
24 them have the same level of equipment to be able to run it

1 that rapidly.

2 Of course, when you look at personnel versus
3 computers, in the large systems where it takes a long time
4 to run, it pays to have multiple computing systems per
5 engineer because, then you can be setting up one machine
6 while another one is running.

7 In the end, it seems to me that if you find that
8 you can't meet the requirements or meet the needs of your
9 clients in order to meet a window, you do what we do, and
10 you refer them to somebody else.

11 MR. KELLY: Thank you very much.

12 MR. WEIS: And that's the ultimate service is to
13 say what does my client need, and I'll find a way to get it
14 done, whether I can do it or somebody else can do it.

15 MR. SCHWARTZ: All right. We're going to move on
16 to our next presenter now. There will be opportunities to
17 ask further questions of Merrill in the general comments
18 section that will follow the initial presentation.

19 Our fourth presenter is Harry Anderson. Harry is
20 the President of EDX, a software manufacturer. And Harry's
21 full bio is found on the www.itfs.org web site. Harry?

22 MR. HICKS: Actually, this is Ted Hicks. Harry
23 has not come in this morning, or yet. So I'm going to go
24 ahead and fill in for him. Hopefully, he'll be able to

1 joint us a little bit later on.

2 I want to thank John for introducing ---

3 (End of Tape Side A; Beginning of Tape Side B.)

4 MR. HICKS: I've been with him for about five
5 years, and I'm also involved daily with the MMDS process, as
6 far as dealing with our customers. And I also led the --
7 our training seminar we held recently in Washington, D.C.
8 So I'm very much up to speed on the whole MMDS area. So
9 that's why I'm filling in this morning.

10 To begin with, I'd like to say that EDS does
11 support the petition that's been filed with the Commission
12 asking for the push-back of the filing window, and we
13 support this effort because we have been using our software
14 through our many customers to file applications with -- for
15 FCC applications in a number of different industries for the
16 last 15 years. And so, we understand a lot of the
17 complexities of the time it takes to do these applications.

18 The petitions that have been filed with the
19 Commission give a number of good reasons for reconsideration
20 of the filing window dates. So I'm not going to repeat them
21 there. But there are two issues that we'd like to comment
22 on. One is the nature of creating planning tools for this
23 type of process, and the second one is why more time is
24 needed to do the actual processing once the tool has been

1 put together.

2 To begin with, a couple of the petitions note
3 that, although the rules for the two-way analysis method
4 have been in place for a number of months, the well-known
5 Appendix D, which prescribes a method, was revised as
6 recently as April 27th. And so, to accommodate these
7 changes and ensure that the planning tools contain
8 provisions for the latest rules and methods, the release
9 dates for both our tool and the CelPlan tool was really the
10 middle of May.

11 And then, once the tools were in the hands of
12 customer, we, of course, began receiving feedback and
13 finding clearer interpretations of the rules and methods.
14 So we continued to make modifications and enhancements to
15 the tool.

16 Our last release of the code was on June 5th. And
17 we're confident that that's a solid and accurate release.
18 So it was, essentially, only last week when the final phase
19 could be done to confirm that everything was correct with
20 respect to the method. CelPlan has indicated that June 2nd
21 was essentially their final release date. So, really,
22 they're on the same approximate development track as we are.

23 We assume that it's prudent that you'd want to go
24 look at those studies that were run previous to the June

1 release date, and rerun them, where necessary, to make sure
2 that the answers haven't changed because of minor changes or
3 whatever in the software code.

4 And as it's been mentioned, software isn't
5 complete ever. It's never 100 percent free of problems.
6 And we would expect that there are going to be some
7 continuing issues that come up, and there will be times
8 when, possibly, some other studies need to be rerun in the
9 future just to make sure that the answers haven't changed.

10 And secondly, what we feel is an issue is that the
11 FCC, as Merrill has said, has adopted a very complex
12 analysis process. It takes into account a lot of design
13 variables and system parameters. We have circular PSA's,
14 irregular PSA's, polygons in RSA's, and circular RSA's,
15 regions, sectors, groups, classes, et cetera, et cetera.
16 And so, there's a lot of variables in this whole process,
17 and all of this analysis needs to be done on a
18 point-to-point basis.

19 So we take all these variables. We put them on a
20 point-to-point basis where we have hundreds, literally
21 thousands of points, in some cases, on one end, and at
22 least hundreds of points on the other end. We're running
23 all these link studies back and forth between these points.
24 And there's just -- there's huge amounts of computer time

1 involved here in doing these studies.

2 And even if you go back and you make a minor
3 change to, for example, say, the shape of your RSA, many
4 times, the number of grid points that you're dealing with in
5 the analysis will change dramatically from, say, maybe a few
6 hundred grid points to several thousand grid points just
7 because you've made a minor change in your study type.

8 So all of this is going to take time to run these
9 initial studies. And, of course, it's also reasonable to
10 assume that the initial designs are going to -- not going to
11 be without problems. And so, you're going to have to rerun
12 those studies again maybe two or three times to work out the
13 interference issues. And so, again, just all of this really
14 just takes a lot of time.

15 So, from these two issues, the relatively recent
16 release of the fully-functional tools, the long processing
17 time that they all -- that they both take, is going to
18 contribute to delays in preparing applications. And so,
19 it's going to make it difficult for anybody to -- or
20 impossible to prepare complete and accurate applications in
21 time for the filing of the current window.

22 I mean, we're confident here at EDX that the
23 consultants and operators that are doing the work can get it
24 done properly. But we need to recognize the realities of

1 the complex nature of the process, and the tremendous amount
2 of work that still needs to be done. Thanks.

3 MR. SCHWARTZ: Thanks very much. Do we have
4 audience questions?

5 OPERATOR: Not at this time. I'll remind
6 everyone -- Well, we do have a question from Fay Cover?

7 MR. SCHWARTZ: Yes, Fay?

8 MS. COVER: Given that you said that you would
9 support the postponement of this due to the complexity of
10 the software and such, do you support a six month, or a
11 shorter time frame? What would that time frame be, in your
12 opinion?

13 MR. HICKS: We really don't have a good feel for
14 that because that's really going to be up to the
15 consultants. Really, they're the ones who know exactly how
16 much work has to be done, and how much time is going to be
17 needed to get the process completed.

18 MR. SCHWARTZ: Do we have another audience
19 question?

20 OPERATOR: Not at this time. I'll remind everyone
21 to press Star 1.

22 MR. SCHWARTZ: Let me fill in with a question
23 while we're waiting for our next audience call. One of the
24 issues that I think has come up quite a bit is running

1 repeated studies and getting different results on
2 essentially the same study. Have you tried to replicate
3 studies using EDX software, and do you find that you get
4 different results for the same study?

5 MR. HICKS: In the earlier versions back in May,
6 we were running into that. And again, these were software
7 issues where work files that you generate, you have to make
8 sure that when you rerun the study, you go back and erase
9 the original work files so you get, you know, new answers,
10 and you're not just pulling up old work files.

11 Our tool, we generate a tremendous number of work
12 files to try to, you know, cut down the processing time
13 wherever possible so we can reuse data that doesn't have to
14 be recalculated twice. But in doing so, you have to be very
15 careful to make sure you get rid of those files the next
16 time you run the process.

17 So we ran into a few issues like that, but we
18 think that we've gotten rid of all of those issues. And
19 now, when we rerun the studies, you know, two, three,
20 whatever times, we're always coming up with the same
21 answers.

22 MR. SCHWARTZ: Have you run any tests on
23 interoperatibility between EDS and CelPlan?

24 MR. HICKS: We've done a little bit of it. We

1 have the ability to both read and write the RSA file format
2 as described in Appendix D. So we've been a few RSA files
3 that were generated by the Celplan tool, and bring them and,
4 you know, run them just make sure we could actually read the
5 RSA files. We ran into a few reading errors and, you know,
6 so we're working on those now. And we've also given the
7 errors we found back out to our consultants so they can, you
8 know, look at that to see if it was -- where the problem
9 actually lies.

10 And so, we've been able to run studies.
11 Unfortunately, obviously, we don't have the CelPlan tool
12 here. We can't run a comparison. But we're hoping that a
13 couple of our customers who have both tools will be able to
14 do that and give some feedback, I think, to both CelPlan and
15 ourselves. So that would be valuable.

16 MR. SCHWARTZ: Now, what sorts of errors were you
17 advising your customers about?

18 MR. HICKS: Which, in the RSA file?

19 MR. SCHWARTZ: Right.

20 MR. HICKS: There were some significant
21 fundamental errors in the file format, as far as like some
22 of the sections have a header line that says, well, how
23 many -- for example, how many sectors are in this section.
24 And that header line was missing. So there was no way to

1 know, by reading the RSA file, how many sectors were
2 involved without actually going through and counting them
3 up, and then, adding that line back in again. So there were
4 about four or five instances where we found errors in the
5 file.

6 MR. SCHWARTZ: And how recently did you find these
7 errors?

8 MR. HICKS: That was as recently as a couple weeks
9 ago.

10 MR. SCHWARTZ: How are we doing on questions from
11 the audience?

12 OPERATOR: We have a question from Phil Duncan of
13 NCOC.

14 MR. HICKS: Yes, Phil?

15 MR. DUNCAN: My question is, in a market, if
16 software has been run and produced results for certain
17 channels, how much more effort does it take to include all
18 the channels, all the licensees in that market? Is there
19 some extra level of complexity that makes it impossible to
20 include all the channels in a, say medium-sized market? Is
21 there not time for that, or -- I'm just curious as to why,
22 you know, the filings that are apparently going to be done
23 are not involving all licensees in most markets?

24 MR. HICKS: I'm not sure why they wouldn't include

1 all the licensees because it seems like, you know, you have
2 a possibility of interference from any of them. But the
3 reason, the primary reason that everybody doesn't run all
4 the channels, again, is a time issue. It's just that the
5 process is cumbersome and slow. And so, the more channels
6 you involve or the more transmitters you put in, you know,
7 the more time it takes. And so, we're just trying to get
8 things -- obviously, people want to get things done as
9 efficiently as possible. And that's why they do it the way
10 they do it.

11 There's no reason, as far as the tools are
12 concerned, why it couldn't be done because, essentially,
13 it's all done on a, you know, step-by-step basis anyway.
14 And whether you take, you know, 10 steps to do something or
15 1,000 steps, the software doesn't care. So that part
16 doesn't matter.

17 MR. DUNCAN: So you're saying it's just a function
18 of time?

19 MR. HICKS: Yes.

20 MR. DUNCAN: If I understand you right, you should
21 be able to include all the channels in a market if you had
22 more time?

23 MR. HICKS: That's correct.

24 MR. DUNCAN: And if that was your desire?

1 MR. HICKS: Correct.

2 MR. DUNCAN: I understand. Thank you.

3 OPERATOR: There are no further audience
4 questions.

5 MR. SCHWARTZ: All right. Let's move on to our
6 last presentation. This is Bob Gehman. Bob is a long-time
7 practicing consulting engineer with many ITFS clients, and
8 his full bio is on line at www.itfs.org. Bob?

9 MR. GEHMAN: Thanks, John. I appreciate this
10 opportunity to address the two-way software issue and voice
11 my support for the AFCC petition requesting the delay of the
12 filing window.

13 For more than 35 years, our firm has had clients
14 primarily consisting of non-commercial educational entities
15 and independent entrepreneurs engaged in broadcasting ITFS
16 and MDS. The situation we have before us is rather unusual.
17 In more than 20 years of running this business, I've never
18 had to turn away our clients for the reasons I'm about to
19 explain.

20 We have an FCC filing opportunity of July 10.
21 And, of course, no one wants to be excluded. The filing
22 requirements are mostly technical and require certification
23 of completeness and accuracy. If you sign the FCC Form 331,
24 you are certifying that what you're filing is complete and

1 accurate, to the best of your knowledge.

2 Most ITFS licensees that come to us for work, they
3 want to know what the engineering fee is in advance so that
4 they can go to their administration and get purchase orders.

5 They all want assurances that we'll be able to meet the
6 deadline.

7 Now, I wrote the programs that we currently use
8 for conducting conventional MDS and ITFS interference
9 studies, and I even attempted to write code for the two-way
10 analysis, but I soon discovered that software necessary to
11 meet the Appendix D requirements was beyond my programming
12 capabilities. We are primarily engineers, and not software
13 developers.

14 As a result, we could give our clients a fee or a
15 promise to meet the deadline. So we asked them to wait a
16 little longer. We asked them to wait because we knew the
17 software was under development, not because we were too
18 greedy to refer them to another firm. We were familiar with
19 EDX, and eventually, became aware of CelPlan. I knew it
20 would be a very complex tool, and I knew it would take quite
21 a bit of time to develop the software and debug to make sure
22 that they were running properly.

23 It's already been mentioned on a number of
24 occasions that Appendix D, the methodology for preparing the

1 studies, was revised in late February, and again at the end
2 of April. That is just 70 days before the filing deadline.

3 Our clients are expecting us to evaluate
4 interference studies served on them, and we fully intend to
5 do that. Some of them may be asked by Sprint or MCI, the
6 primarily filers in this window as it would appear, to
7 provide consent letters prior to filing.

8 Unfortunately, the software cannot read, reliably,
9 apparently, the required Appendix D file to permit us to
10 make the studies. So at this point, the data would have to
11 be entered by hand in order to respond to a request for a
12 consent prior to the window deadline. Unless the software
13 is upgraded, the same would be true for the amendment and
14 petition to deny cycles.

15 I believe the unfortunate chain of events has
16 effectively reduced the FCC's public notice of the filing
17 window to about 30 days, certainly not sufficient time for
18 an engineering firm to guarantee performance to a number of
19 clients waiting in the wings.

20 ITFS licensees and independent MDS licensees are
21 entitled to better treatment. They should expect service
22 when they need it, delivery on time, and a way to evaluate
23 the impact of a neighboring two-way system. A reasonable
24 delay of the filing deadline would help to level the playing

1 field for ITFS and MDS licensees. I support the AFCC
2 petition for a delay of the filing window.

3 And that concludes my introduction.

4 MR. SCHWARTZ: Thanks very much, Bob. Do we have
5 an audience question?

6 OPERATOR: Not at this time.

7 MR. SCHWARTZ: Bob, is it possible, in your
8 experience, to run studies -- Let's say that the proponent
9 for a two-way application runs a study, files it with the
10 Commission as part of an application. This is then farmed
11 out by a neighboring licensee to a consulting engineer to
12 evaluate. The consulting engineer tries to replicate the
13 initial study, which presumably would show non-interference.
14 And you're not able to replicate it. You get a different
15 answer.

16 MR. GEHMAN: Is that the question?

17 MR. SCHWARTZ: Yes.

18 MR. GEHMAN: Do I believe I might get a different
19 answer?

20 MR. SCHWARTZ: Yes.

21 MR. GEHMAN: I think there's a very good chance of
22 getting a different answer, yes.

23 MR. SCHWARTZ: And so, one might show no
24 interference, and then, the effort to replicate it would

1 show interference, presumably?

2 MR. GEHMAN: That's correct. That's correct.

3 MR. SCHWARTZ: So then, you'd be in a situation
4 where you'd be -- there'd be two engineers that would be
5 working with the same software. They'd be working in good
6 faith, but they'd get different answers, and this could lead
7 to a petition to deny?

8 MR. GEHMAN: That's right.

9 MR. SCHWARTZ: Well, how would you sort it out,
10 since they're working with the same software, and they're
11 both working in good faith?

12 MR. GEHMAN: That's a good question. The problem
13 I think that we have is the lack of a manual, at least for
14 the CelPlan tool at this point. There are lots of settings
15 in the software, and one, you know, missed setting by not
16 completely understanding what that particular setting does,
17 it will give you results, but they may not be the right --
18 the correct results.

19 And the bottom line is, there just hasn't been
20 enough time to really get familiar with the tools to be able
21 to ask all the questions that are necessary to do a reliable
22 job that somebody could certify with a filing with the FCC.

23 MR. SCHWARTZ: Are you talking about the settings,
24 you know, when you run the software? Is there a right

1 setting and a wrong setting, or is there a spectrum of right
2 settings that could lead to different results even though
3 the, you know, the assumptions that go behind it are
4 correct, but also different?

5 MR. GEHMAN: Well, I assume that there is a
6 spectrum of correct settings. Obviously, you would want to
7 try to select your initial setting to minimize the amount of
8 time that it takes to generate the results.

9 On the other hand, you have to be careful because
10 if you select that initial setting incorrectly, the software
11 will generate results, but you won't know that you have the
12 incorrect results.

13 MR. SCHWARTZ: And you say there's no written
14 manual for CelPlan?

15 MR. GEHMAN: That's correct.

16 MR. SCHWARTZ: How about like a help function the
17 way we get in software sometimes?

18 MR. GEHMAN: There's no help function available
19 yet either.

20 MR. SCHWARTZ: Do we have any audience questions?

21 OPERATOR: We do. We'll now move on to William
22 Anderly of Bell South?

23 MR. ANDERLY: I just wanted to make sure that I
24 understood what you were telling everybody, Bob, relative to

1 the ability to export data, input it from, you know, if
2 you're on the receiving end of an application, and you get
3 it in electronic form, you know, can you plug it in? You
4 mentioned something about having to key it in manually, and
5 I've heard about that before.

6 I wanted to make sure that everyone understood
7 what it is that you're saying on that. Could you go over
8 that once again, and how that affects peoples' ability, even
9 if they're passive in two-way, potentially to be able to
10 protect themselves in the petition to deny period?

11 MR. GEHMAN: Basically, the software, as it's
12 available today, does not have a module to read Appendix D.
13 Appendix D, the Appendix D file that is attached to the
14 application submitted to the FCC, and which will be served
15 on the incumbents within 100 miles, that is a file with a
16 specific format. And presumably, if the computer program
17 has the ability to read an Appendix D file, it will read it
18 correctly. But as it stands right now, the tool that we
19 have does not have the capability of reading the file at
20 all. The module is not there. It doesn't exist.

21 So if somebody wanted to check an two-way
22 application that was served on them, they would have to
23 enter that data manually in order to evaluate the true
24 effects that two-way filing has on them.

1 MR. SCHWARTZ: Now, are we talking about a little
2 data or a lot of data?

3 MR. GEHMAN: No, this is a -- This can be a huge
4 file. It depends on the complexity of the two-way design.

5 MR. SCHWARTZ: Well, just in terms of time, what's
6 a reasonable range of a low end and a high end?

7 MR. GEHMAN: Time to enter the data?

8 MR. SCHWARTZ: Um-hmm.

9 MR. GEHMAN: Oh, my gosh. If it was available in
10 electronic format, you could probably do things like cut and
11 paste. In other words, you could open it up into a document
12 like Notepad or Word, or something like that, and you could
13 cut and paste the data from that format into another one.
14 If you use things such as Excel, you can rearrange columns.
15 You can do a lot of data manipulation.

16 You know, I'm not suggesting that anybody's going
17 to sit down and actually type in the numbers, although that
18 is certainly one way to do it, as well.

19 MR. SCHWARTZ: Well, but you didn't tell me how
20 much time?

21 MR. GEHMAN: And that's because I don't know. I
22 have no idea. I don't -- If somebody asked us to do an
23 evaluation today, I don't know if it would take one hour or
24 10 days.

1 MR. SCHWARTZ: Do we have further audience
2 questions for Bob?

3 OPERATOR: We have one from Elizabeth Kraft of
4 Arizona State University.

5 MR. CARTER: Hi, Bob. This is actually Roger
6 Carter on behalf of Betty. You mentioned 30 days you
7 thought was not a reasonable time period for an ITFS
8 licensee to evaluate engineering that's been given to them
9 by Sprint or MCI. And, of course, we're in that position,
10 that we haven't received the engineering yet, either from
11 them or from adjacent PSA's. And we couldn't, therefore,
12 meet the July 10th window right now if we need that 30 days.

13 And you were implying, I thought, that it should
14 be even longer. Can you comment on that at all?

15 MR. GEHMAN: Actually, the point that I was making
16 about the 30 days is that from the time that the methodology
17 was finalized and the software became available, based on
18 that final revision, that there was effectively about 30
19 days left to the end of the filing window.

20 Now, if somebody asks an engineering firm to do an
21 evaluation of an interference from a two-way application,
22 for example, it's my guess that most engineers are currently
23 engaged in trying to meet the filing deadline. I don't know
24 how anybody could slip in the ability to do these

1 evaluations.

2 MR. SCHWARTZ: All right. I think we're ready to
3 move into our general question period. Operator, have you
4 been keeping track of time? How much time have we burned up
5 in this?

6 OPERATOR: We've burned up about an hour and three
7 minutes. And we do have an additional question from Phil
8 Duncan of NCOC.

9 MR. SCHWARTZ: Well, I want to hold that for a
10 moment, Operator, if we can put that in the general question
11 period.

12 OPERATOR: Absolutely.

13 MR. SCHWARTZ: We've got three more sections in
14 the call. We've got general comments. These are comments
15 that can be directed to any participant. I do ask that they
16 be directed to a specific person, however. And we'll take
17 this for roughly 20 minutes. Then we're going to have a
18 section where the panelists -- I'll go through a rotation of
19 panelists, the same order that they spoke in, give them a
20 chance to direct questions to each other. And then, we'll
21 have closing remarks.

22 Why don't we start with Phil's question as the
23 first question for the general comment period. Phil, are
24 you with us?

1 OPERATOR: Your line is open.

2 MR. DUNCAN: John, can you hear me now?

3 MR. SCHWARTZ: Yes. Go right ahead.

4 MR. DUNCAN: Actually, the Arizona State question,
5 to some degree, answered what I wanted to ask. But Bob, or
6 anyone, if I'm an ITFS, and I want to make an application in
7 the window, and I come to you today, and I tell you that I
8 want to do that -- I'm not talking about an evaluation of
9 what World Com or Spring has done. I want to make my own
10 application.

11 What can you tell me about the possibility of
12 doing that, and which of the software programs, if either,
13 you know, would produce the most reliable information to
14 enable me to file with some reasonable belief that, you
15 know, I'm filing an accurate application?

16 MR. SCHWARTZ: To which panelist are you directing
17 this question?

18 MR. DUNCAN: I guess, you know, Bob. Bob was
19 talking about, you know, having to send away business and
20 the time involved. I mean, I want to file. Let's say I
21 want to file, and I want to file something. I'm trying to
22 get an idea about what something is.

23 MR. SCHWARTZ: Okay, Bob?

24 MR. GEHMAN: Well, we sent somebody away

1 yesterday. You know, people are still -- I don't know why
2 it takes so long to get word of these things. But we sent
3 away an
4 ITFS -- I mean an MDS licensee yesterday. We just told them
5 there was no way to meet the filing deadline.

6 Now, frankly, somebody who asks for work yesterday
7 is probably a little late. I mean, you know, I wouldn't
8 support extending the filing period for somebody who, you
9 know, waits that long. But on the other hand, I can't tell
10 him yet how long it would take to do his -- Everybody wants
11 to know how long will it take to do, to prepare an
12 application.

13 And frankly, until you start the work, you don't
14 know what you're getting into. You don't know how many
15 stations there are. You don't know if you're working with a
16 channel that is, you know, heavily encumbered. You may
17 have, you know, 60 stations to at least take a look at
18 initially. You can probably eliminate a lot of them because
19 they're beyond line of sight. But, you know, this is all
20 data that has to be entered and evaluated before you can
21 have any kind of an idea of what kind of computer time it's
22 going to take to make the evaluations.

23 MR. DUNCAN: Well, we've been asking, you know,
24 that question for several weeks ourselves, and I'm still

1 trying to get an answer to, you know, what sort of filing
2 some engineer could make to meet the deadline of the window,
3 and I'm trying to get an idea of the scope of the service
4 that you would offer to provide; you know, is there
5 something that you can file within the window that would at
6 least get your started?

7 Now, I don't want to belabor the point. But if
8 somebody can respond to that, it would be helpful.

9 MR. HIDLE: This is John HIDLE with Carl D. Jones
10 Corporation. Could I respond to your question, from our
11 point of view?

12 MR. DUNCAN: Sure, please.

13 MR. HIDLE: I believe you're way too late. We
14 have been turning away people. I think we turned away three
15 yesterday and two this morning, and several in the week or
16 so before that. We just can't take on any more work. I
17 don't believe we're going to be able to finish the work we
18 already have committed to. So I'm sorry, but that's the way
19 it looks right now.

20 We -- I can tell you this, that we are estimating
21 that it would take approximately, for a simple application,
22 somewhere in the neighborhood of 10 days to 20 days to do,
23 to complete for someone who had other than just a super cell
24 idea. And we don't exactly believe that the super cell is